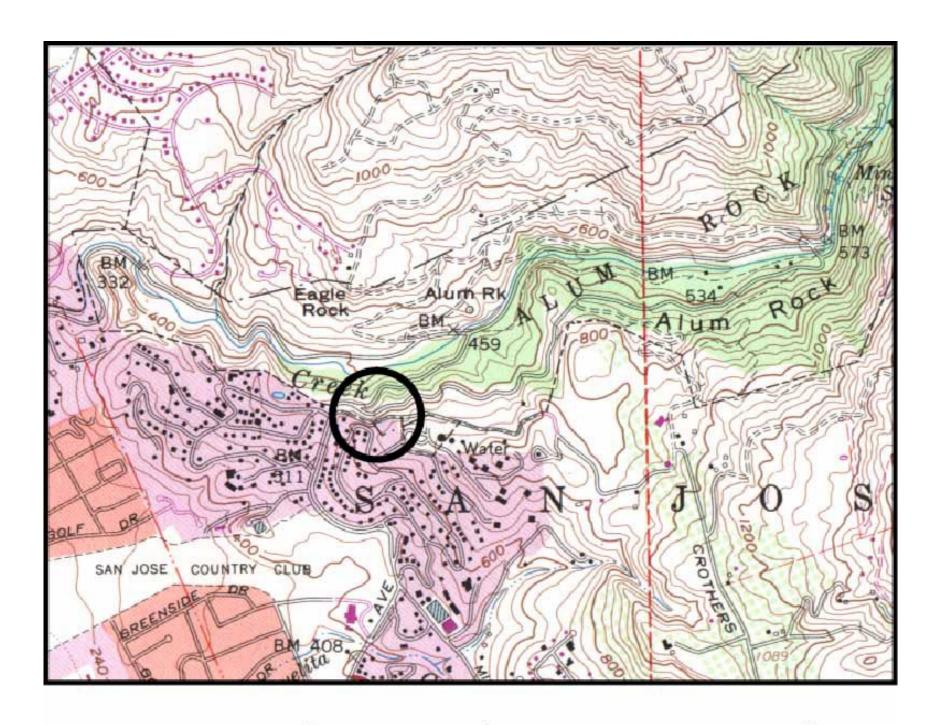


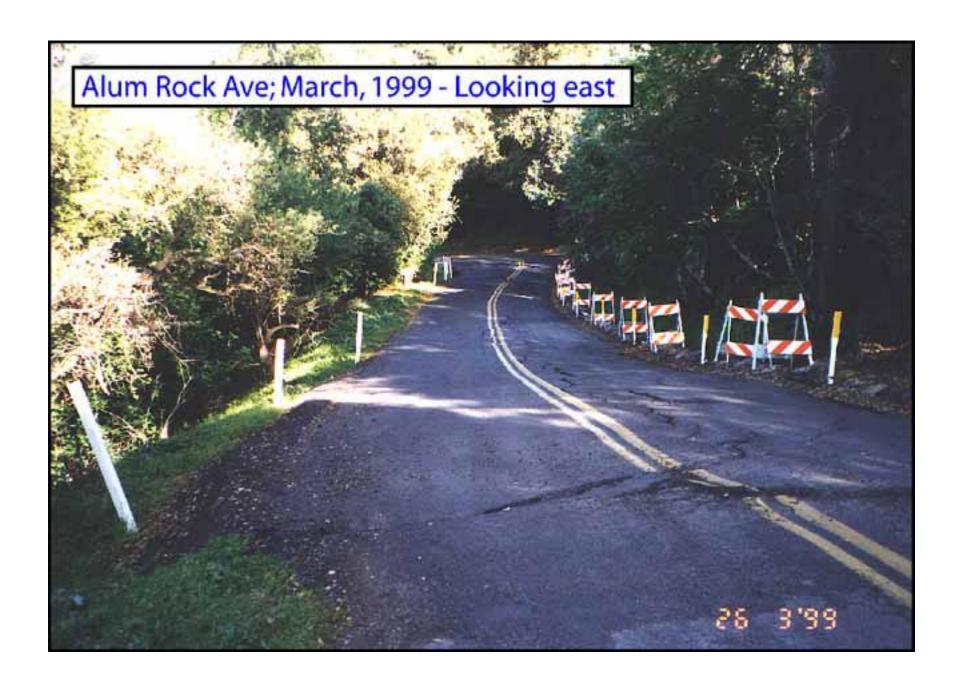
GEOLOGICAL SUMMARY

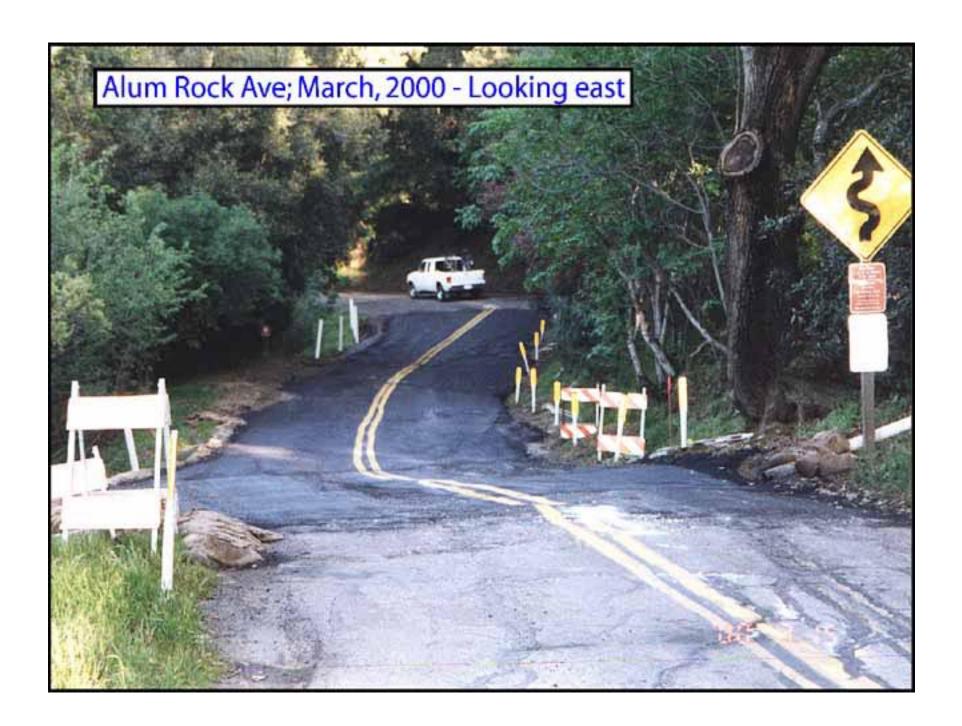
Sands Figuers, Norfleet Consultants

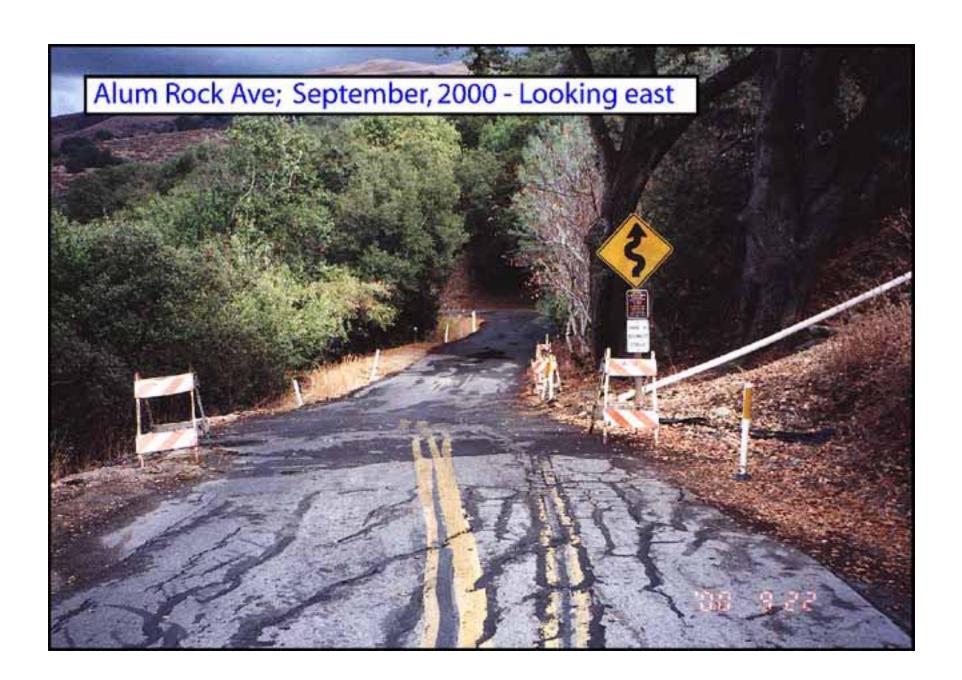
•	The Alum Rock Avenue Landslide has been moving intermittently for thousands of years.
•	The landslide reactivated in early 1998 due to the heavy rainfall of the 1997-98 rainy season in conjunction with erosion of the toe of the slide by Penitencia Creek.
•	Since the landslide reactivated in early 1998, the roads crossing the landslide have moved approximately 5 to 7 feet horizontally and 3 to 5 feet vertically. The park entrance road (Alum Rock Avenue) has continued to move throughout the summer of 2000.
•	The park entrance road could fail catastrophically.

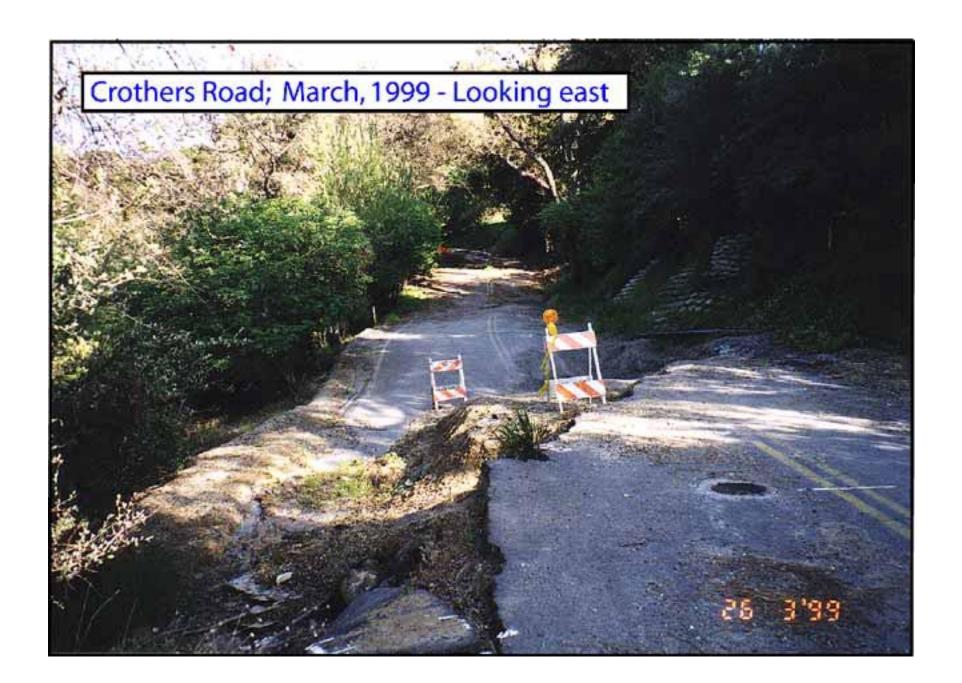


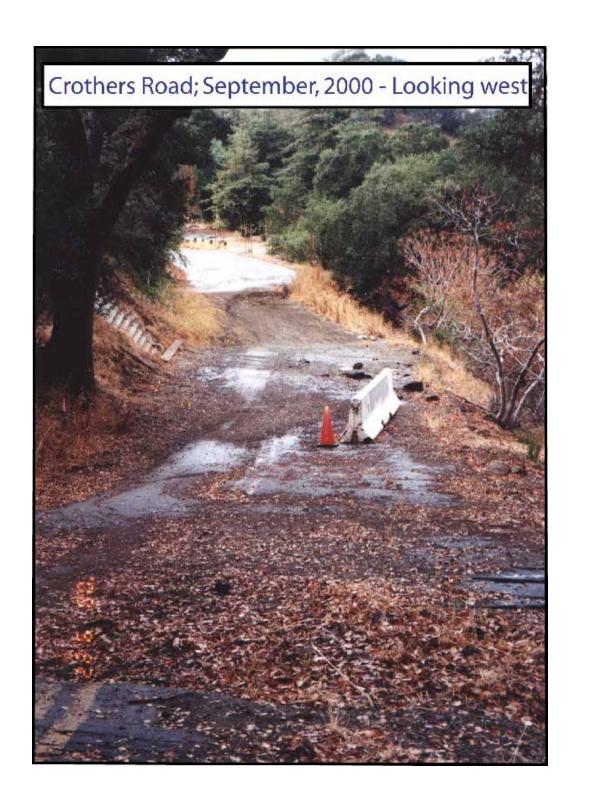
USGS Topographic Map - Calaveras Reservoir Quad.



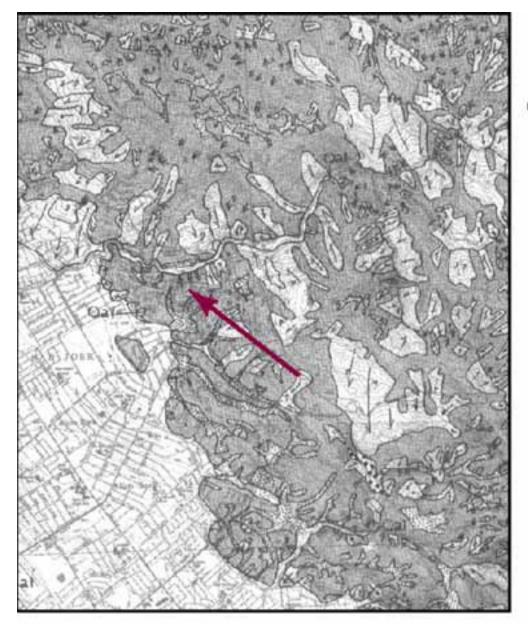












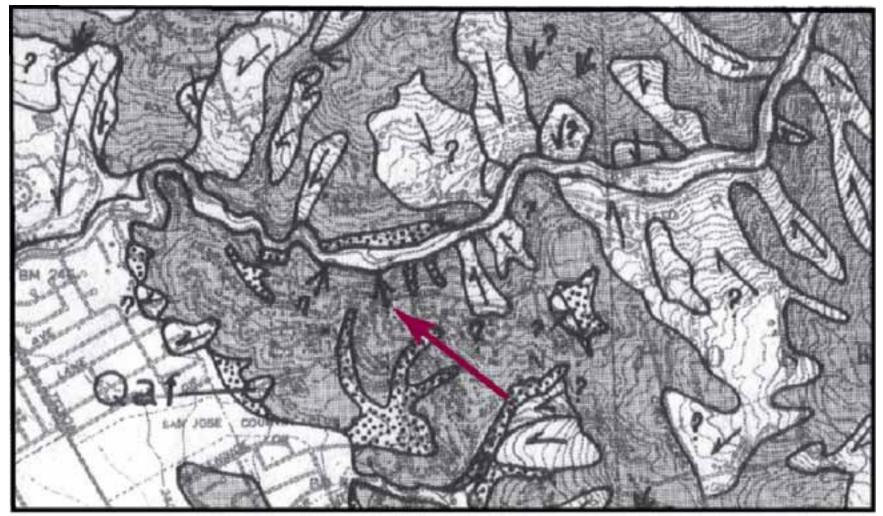
USGS MF-339 (1972)

Outlined areas - Landslides larger than 500 feet long.

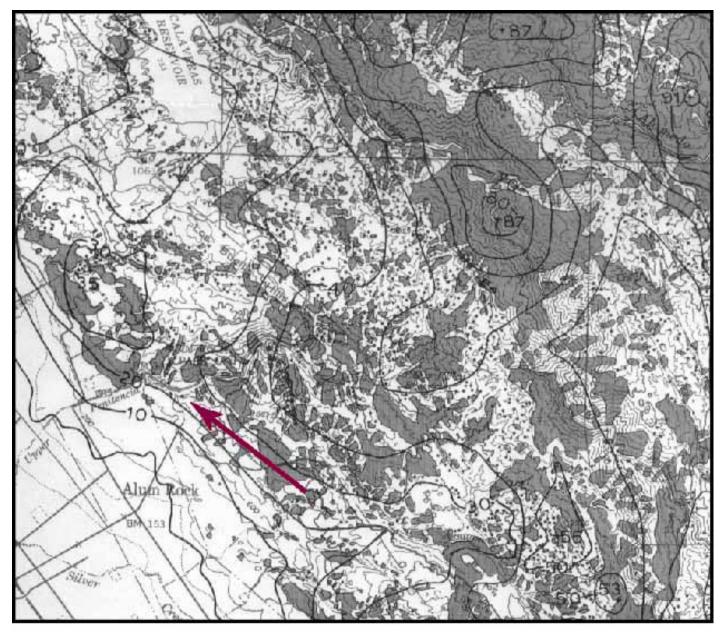
Arrows - Landslides 200 to 500 feet long.

Shadded areas - Bedrock.

Stippled areas - Colluvial/alluvial deposits



Detail from USGS MF-339 (1972) Large Areas - Landslides larger than 500 feet long. Arrows - Landslides less than 500 feet long.

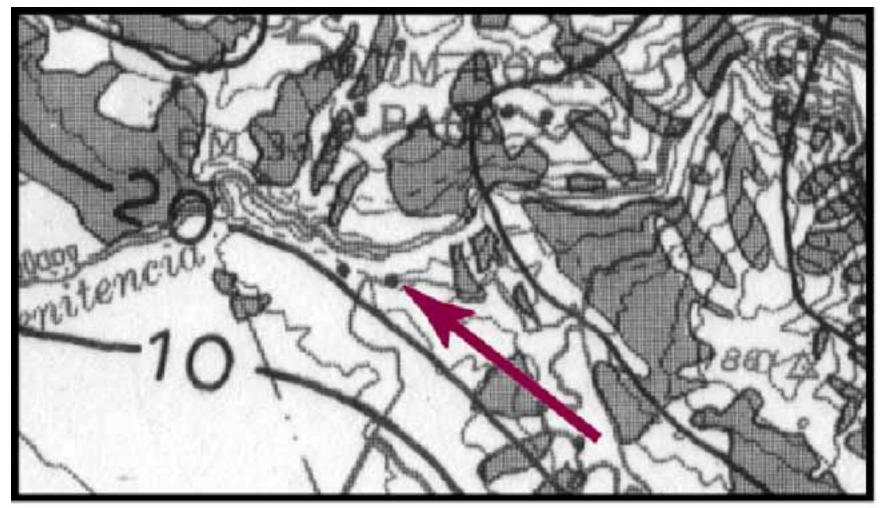


USGS MF-550 (1974)

Dark areas - Landslides larger than 500 feet long. Dots - Landslides less than 500 feet long.

Contours - Percentage of land covered by landslides.

(in a one inch diameter circle at original map scale)

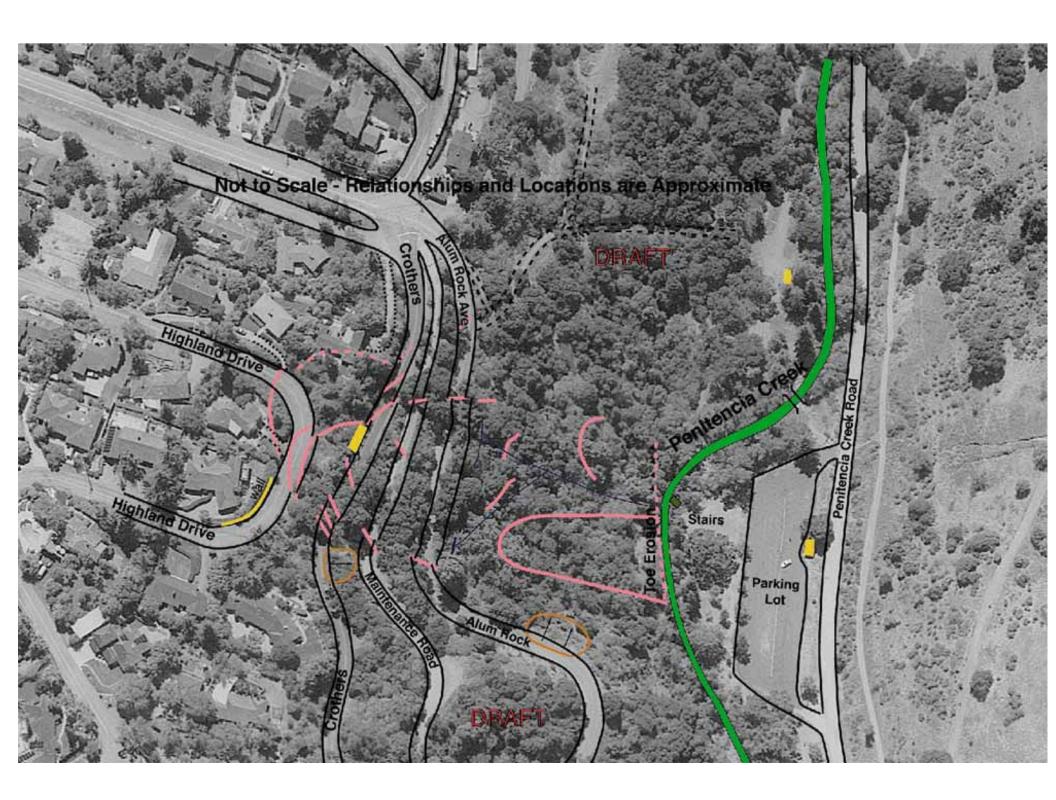


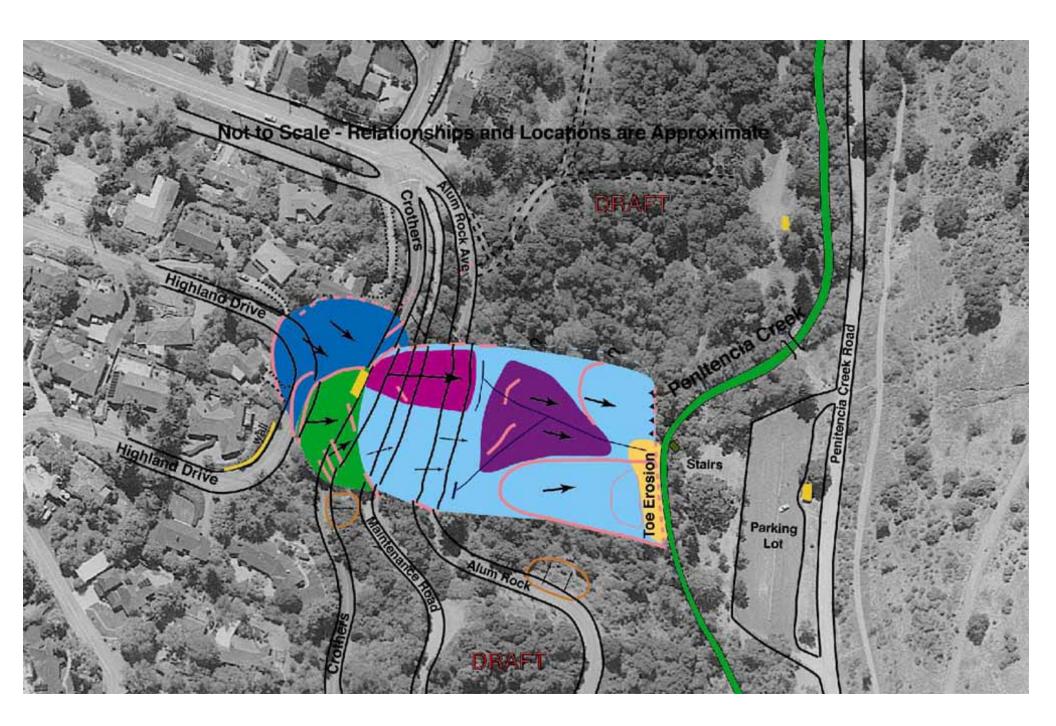
USGS MF-550 (1974)

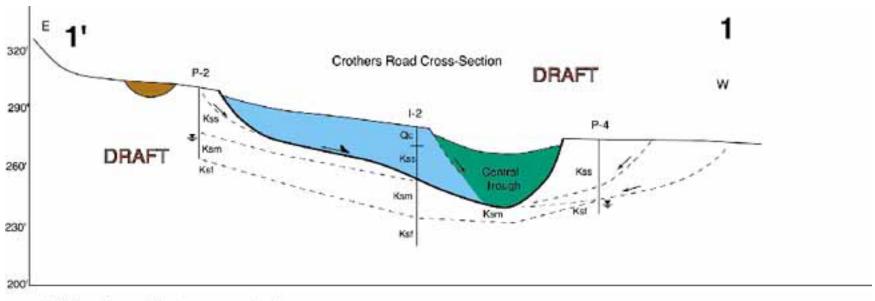
Dark areas - Landslides larger than 500 feet long.

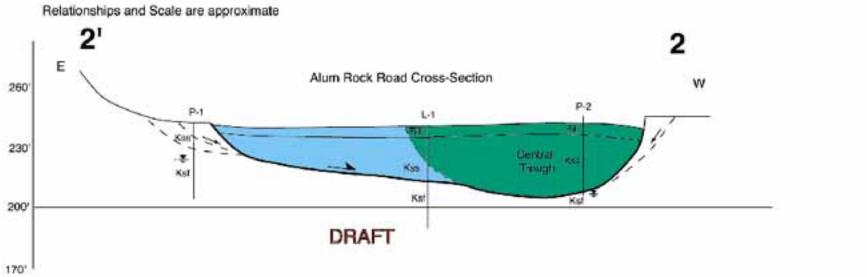
Dots - Landslides less than 500 feet long.

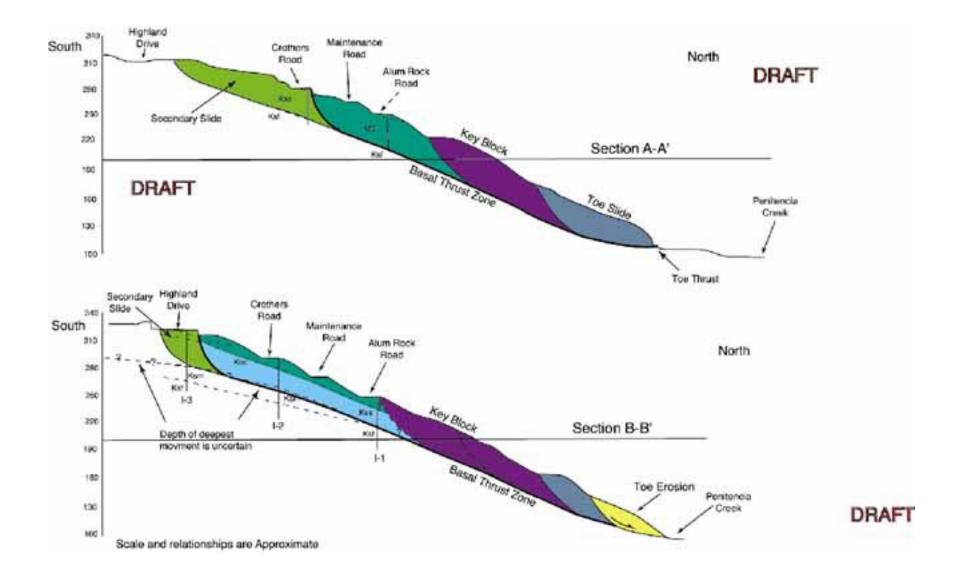
Contours - Percentage of land covered by landslides. (in a one inch diameter circle at original map scale)















Mt. Hamilton, water year rainfall

